

237 276  
HCV-J: PSLKATCTTHDSPDADLIEANLLWRQEMGGNITRVESEN  
HCV-1b: -----  
HCV-1a: -----AN-----E-----

1 237-276 447  
NS5A 1972 2209-2248 2419

FIG. 1A

PKR

Regulatory Domain

Catalytic Domain

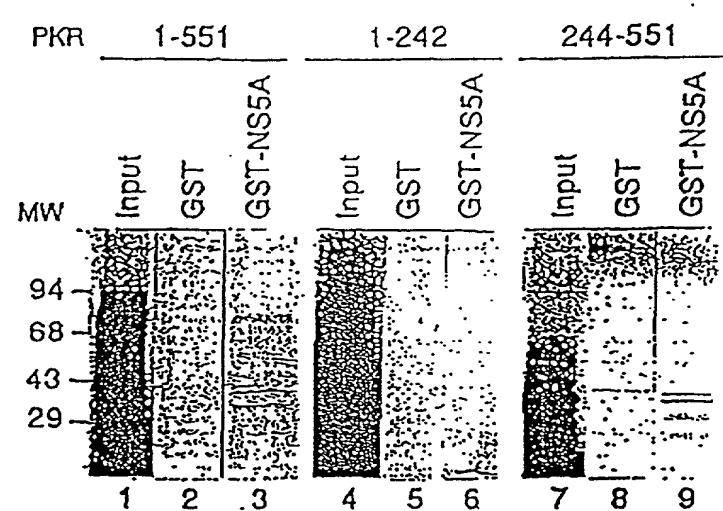
55 75 145 166 265 XI X XI V VI VII VIII IX X XI 551

VAI P58<sup>PK</sup> K3L

244 NS5A 366

FIG. 1B

**GST-NS5A Binds the PKR Protein Kinase Catalytic Domain *in Vitro***



**FIG. 2**

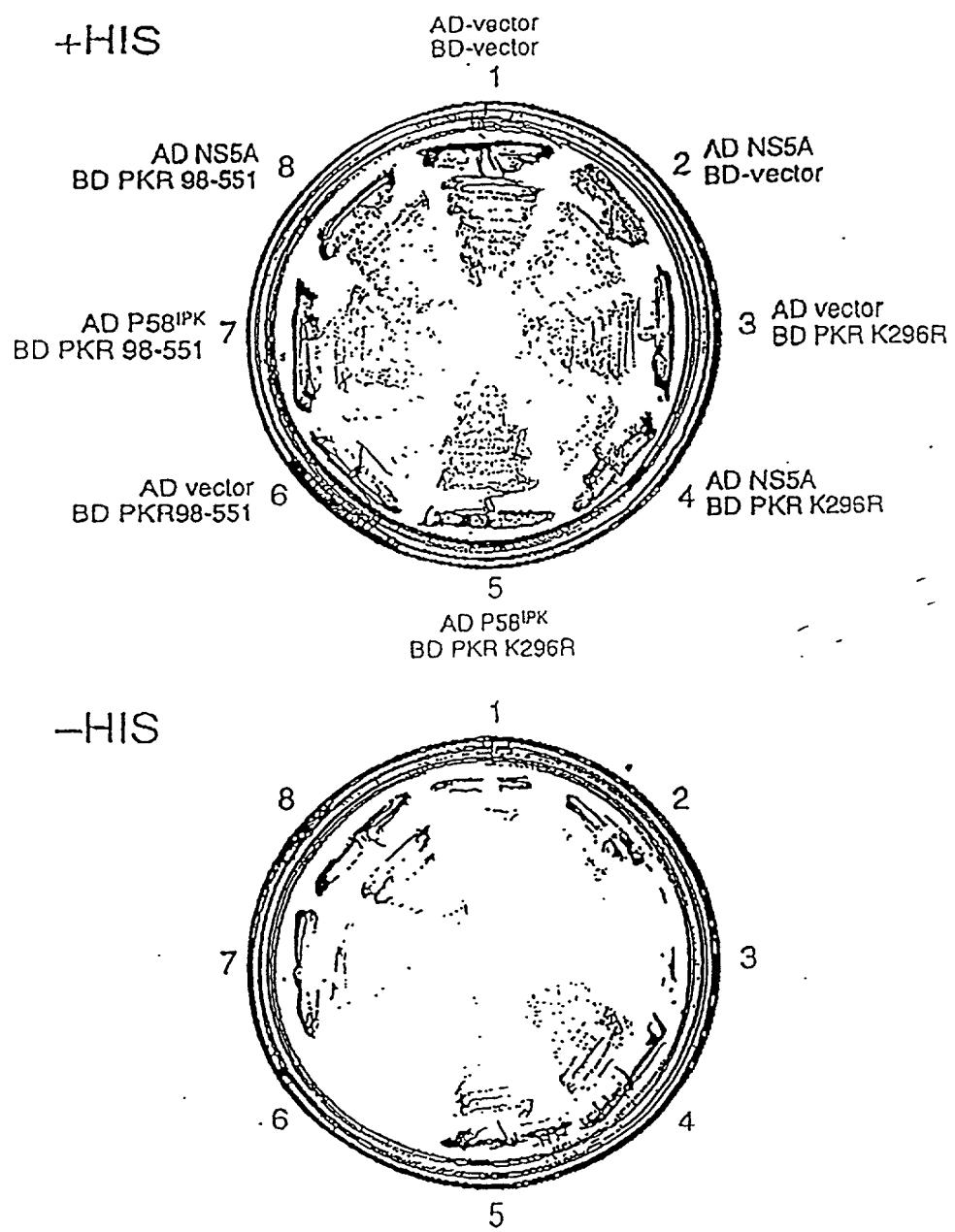


FIG. 3

NS5A Interacts with the PKR Protein Kinase  
Catalytic Domain *in Vivo*

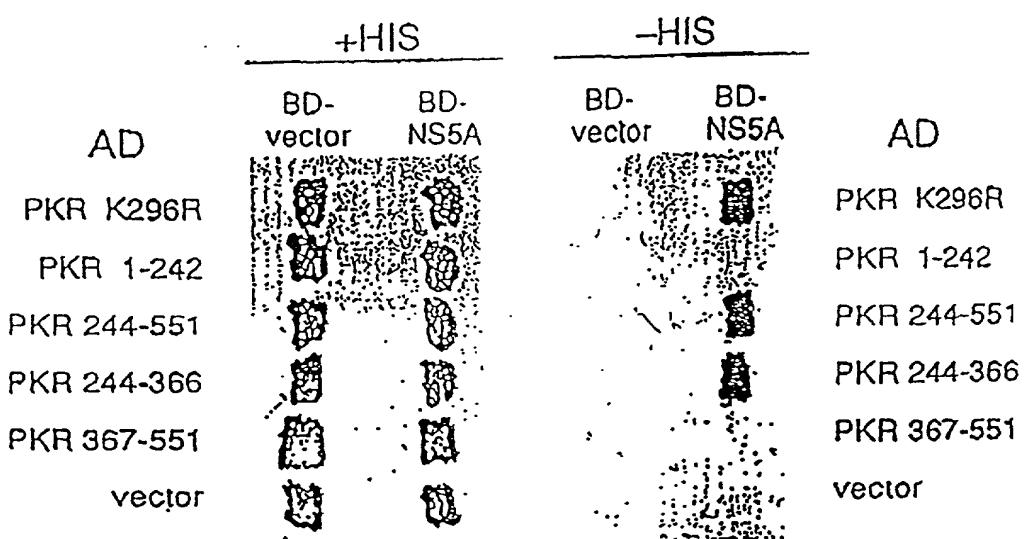


FIG. 4

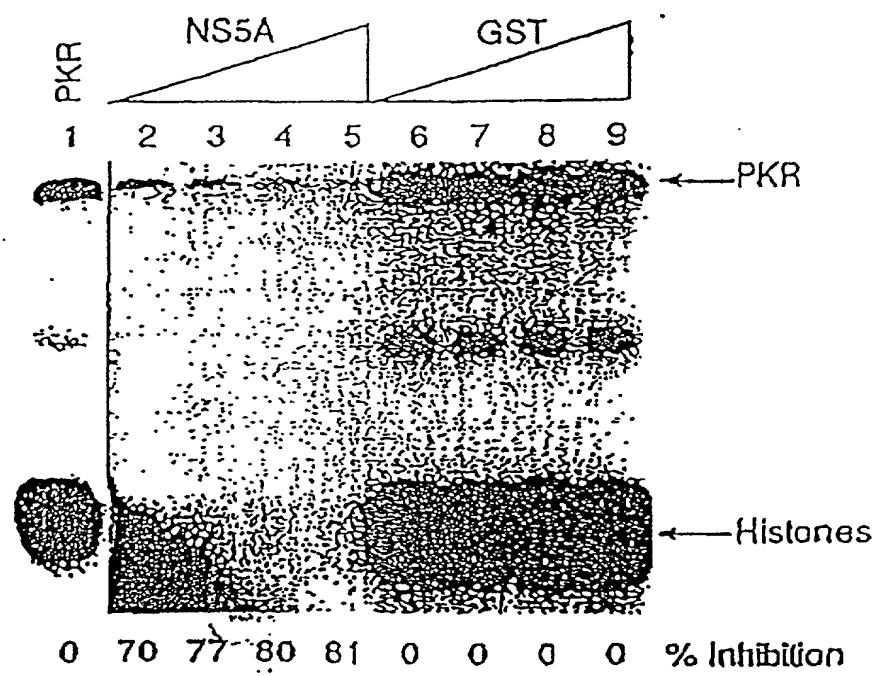


FIG. 5

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## HCV NS5A Inhibits PKR-mediated Growth Suppression in Yeast

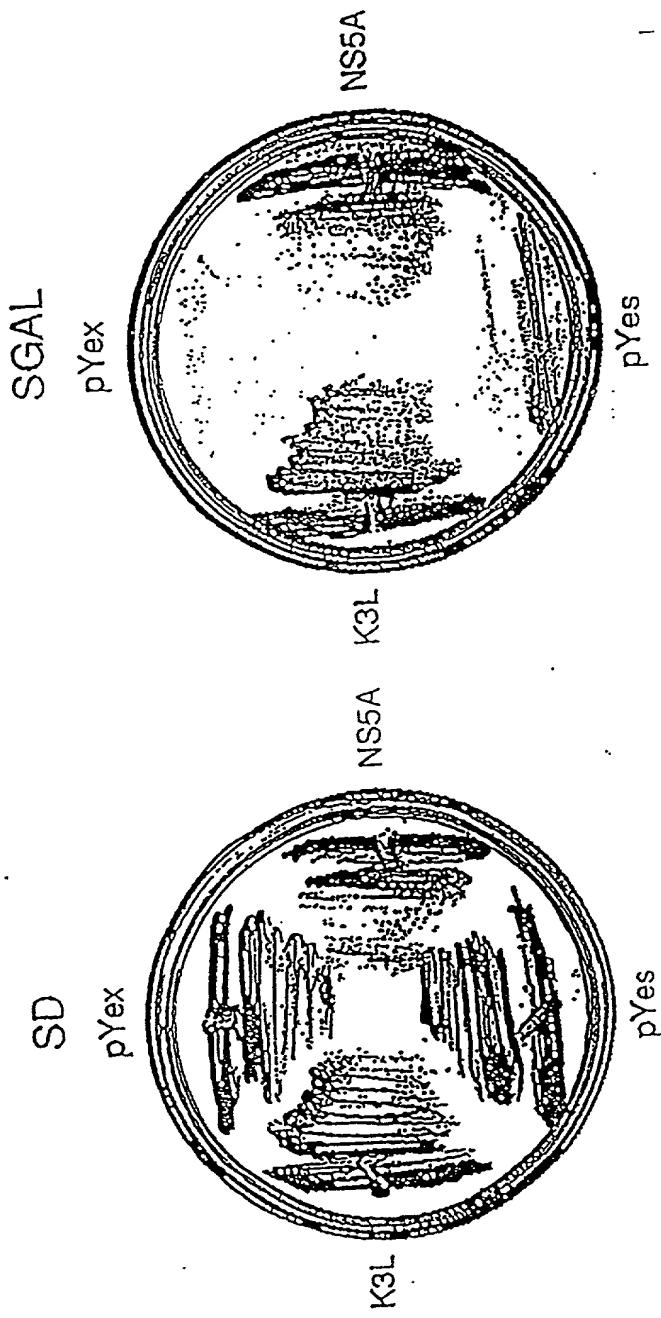


FIG. 6

## elF-2 $\alpha$ Phosphorylation

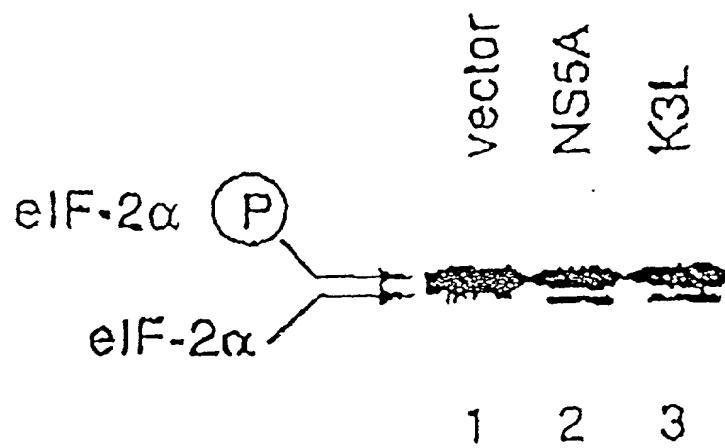


FIG. 7

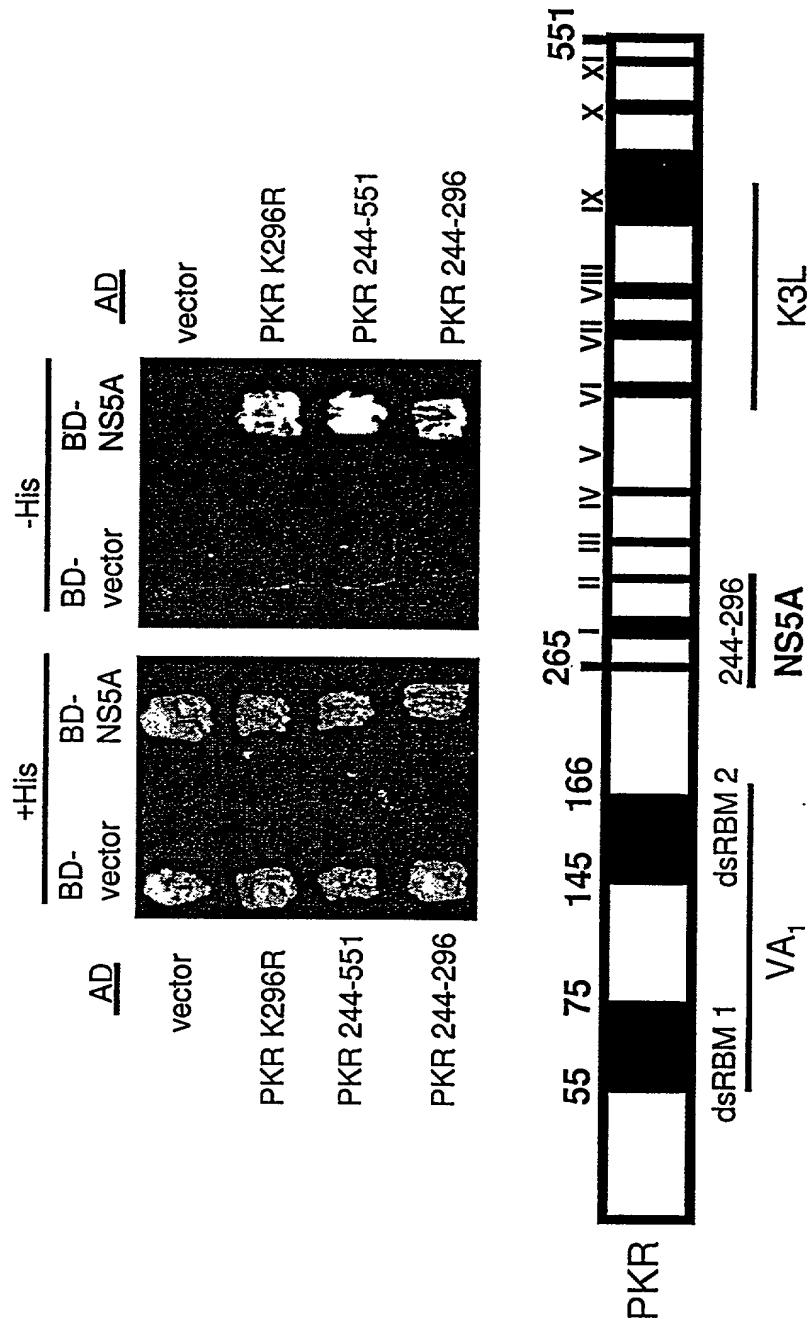
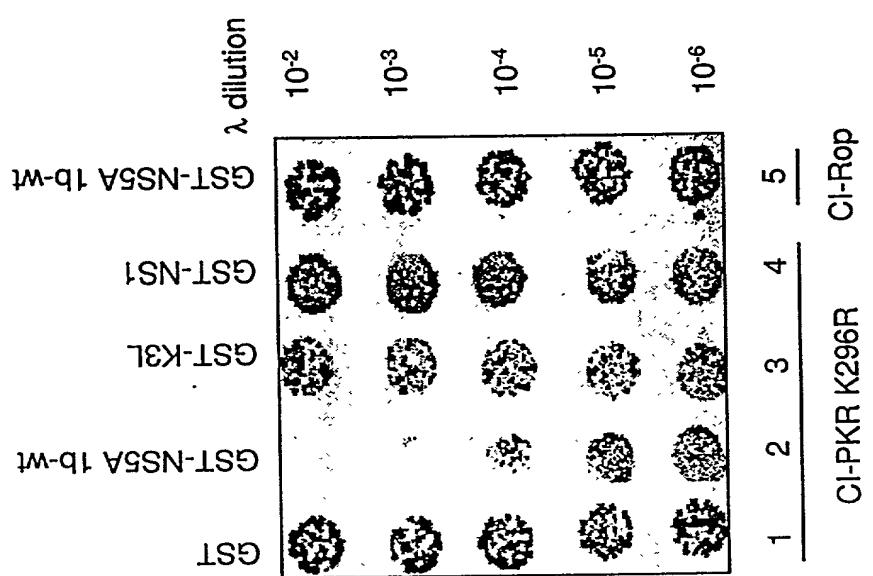


FIG. 8



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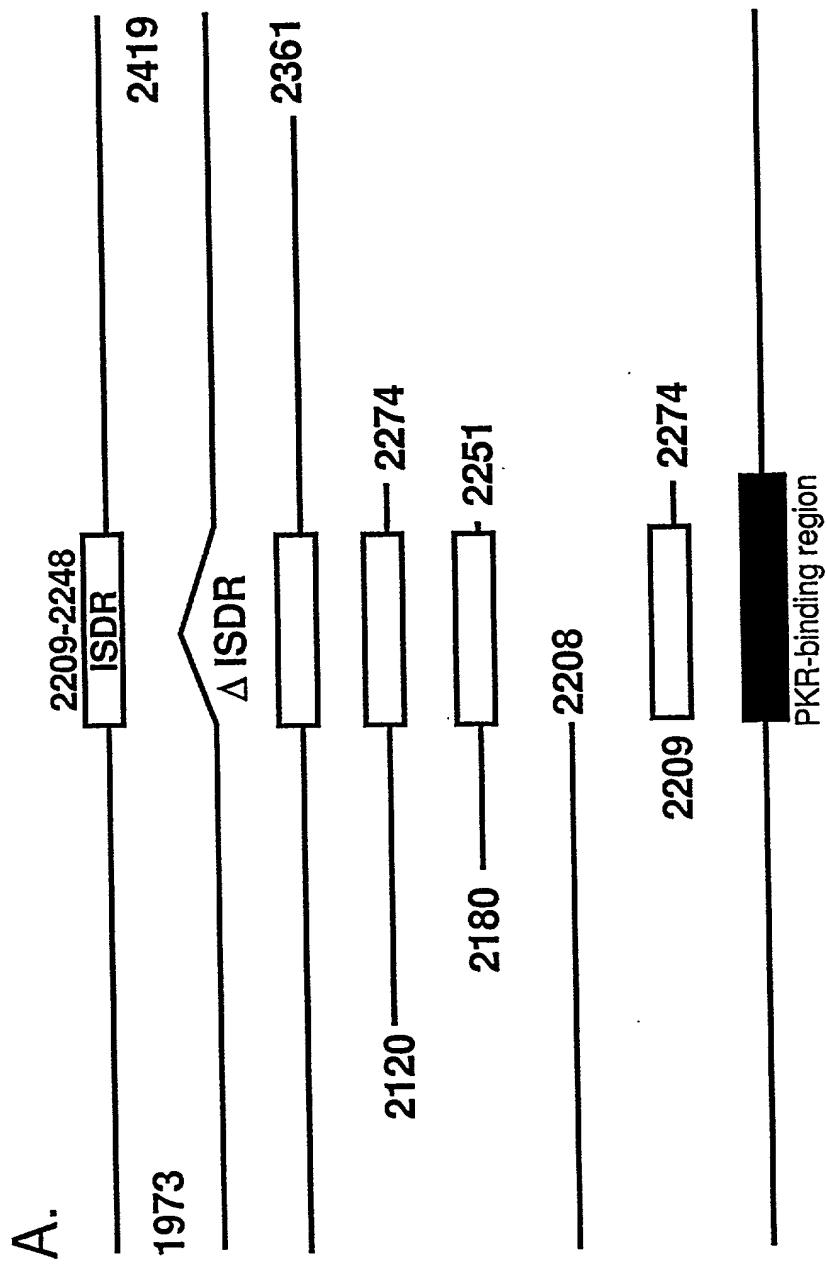
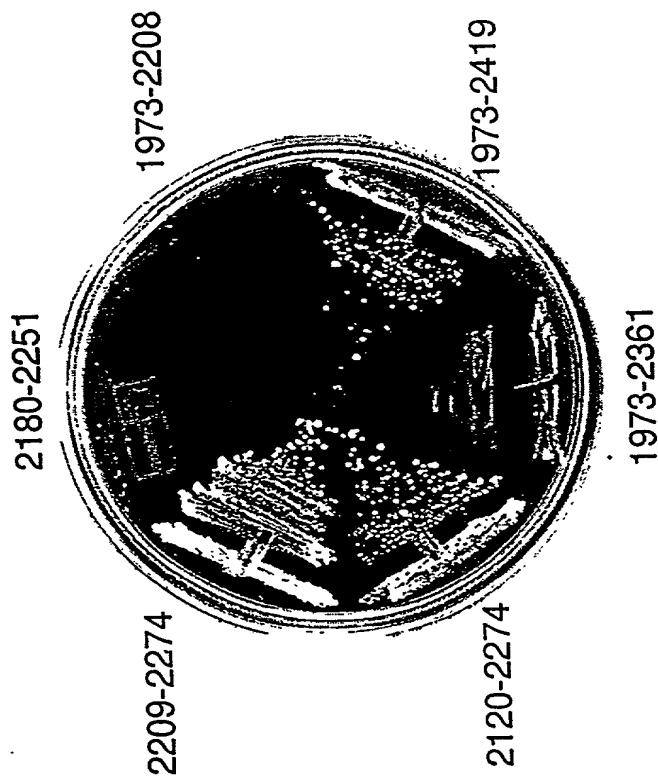


FIG. 10A

0 50 100 150 200 250 300 350 400

B.



C.

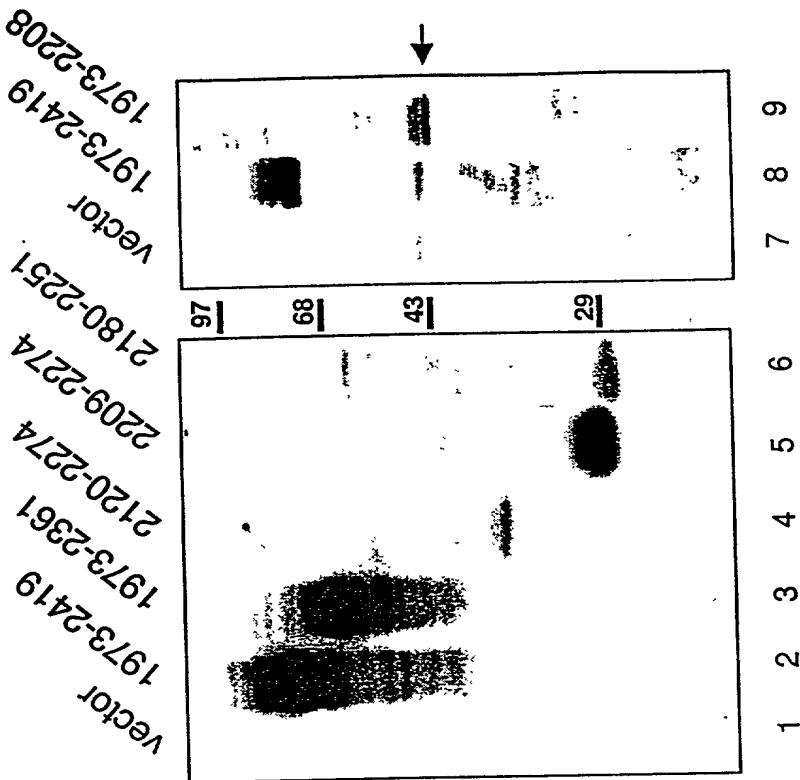


FIG 10B

FIG. 10C

PKR + His

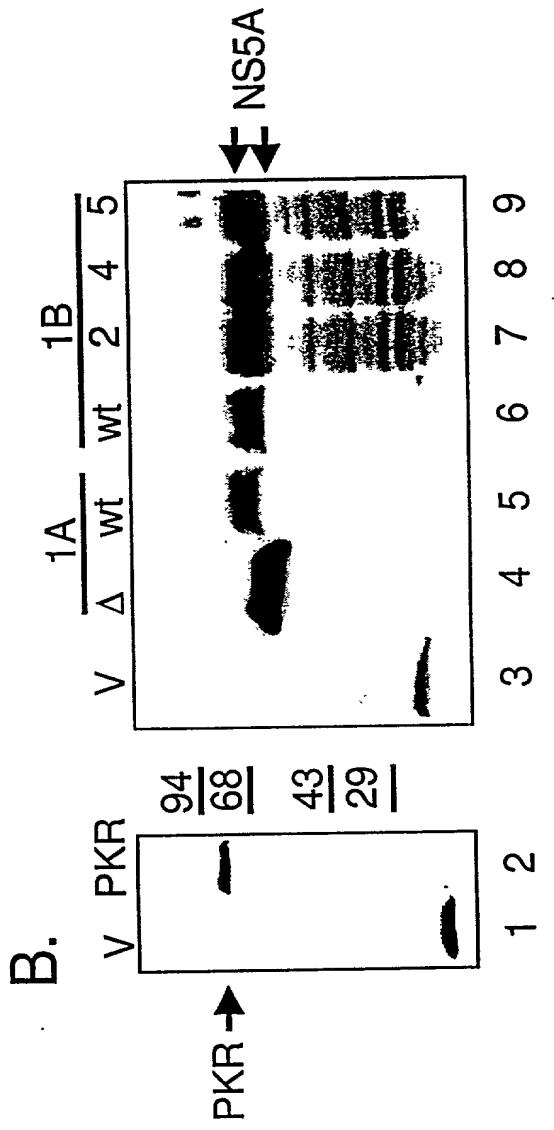
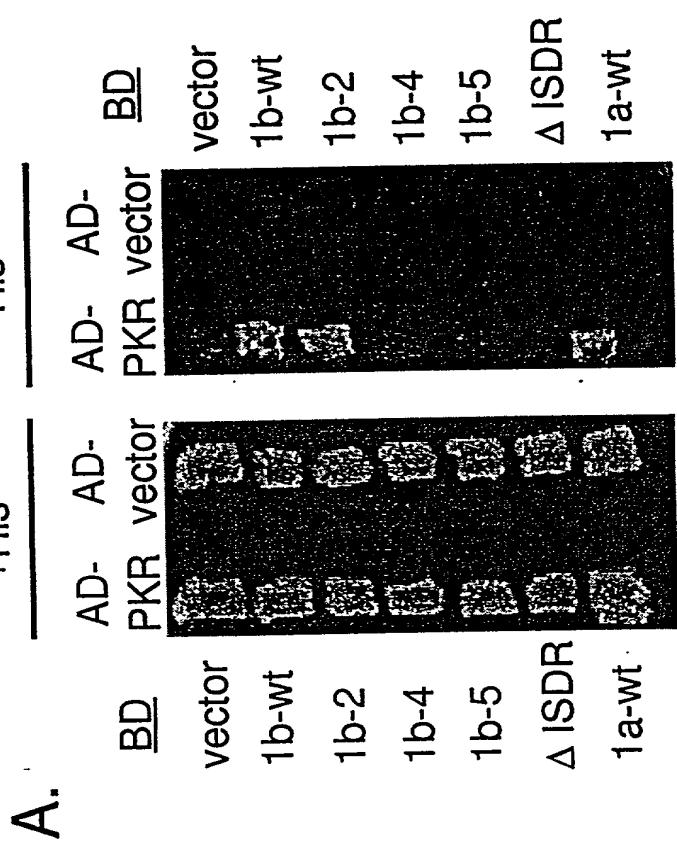
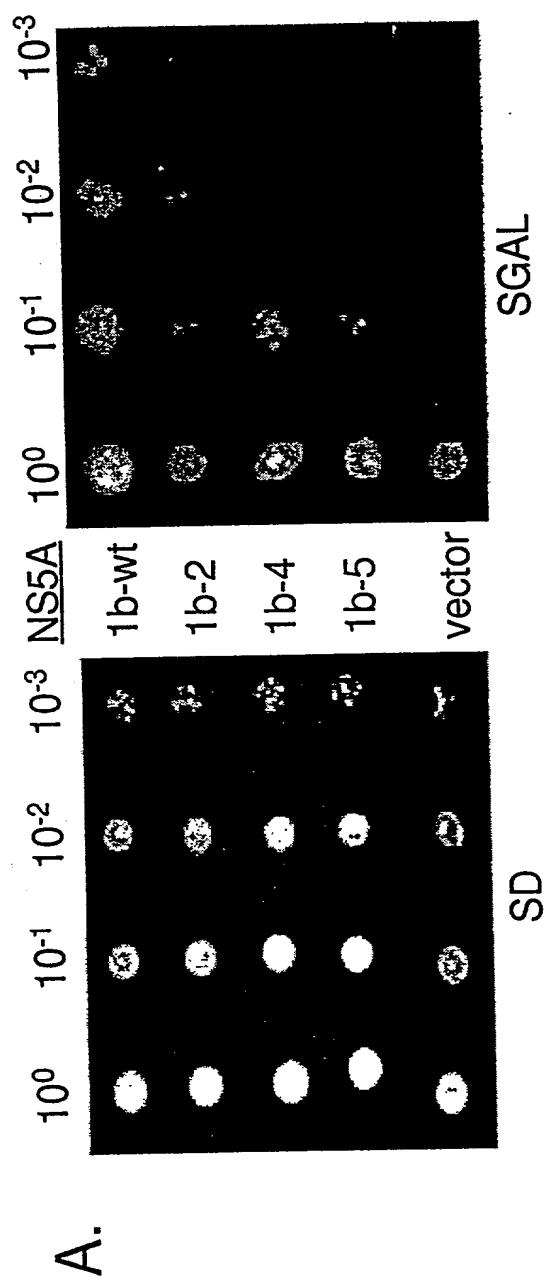


Fig. 11



B.

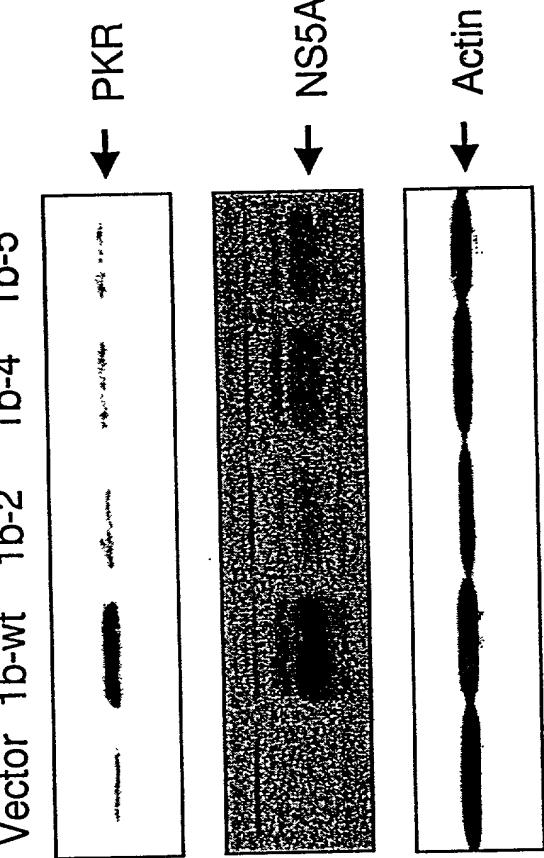


FIG. 12

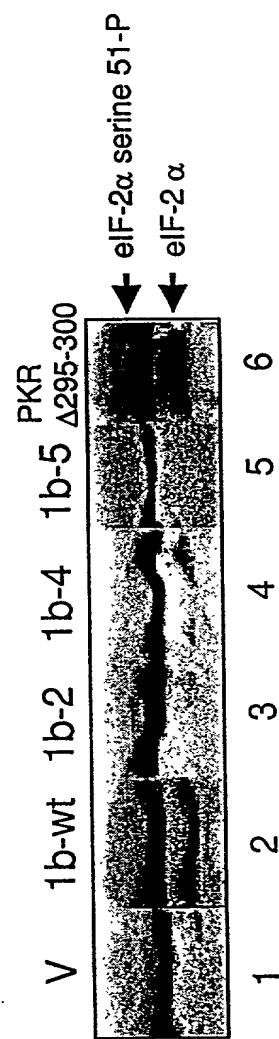


FIG. 13

He was a man of great energy and a strong leader, and he left a lasting legacy in the field of education.

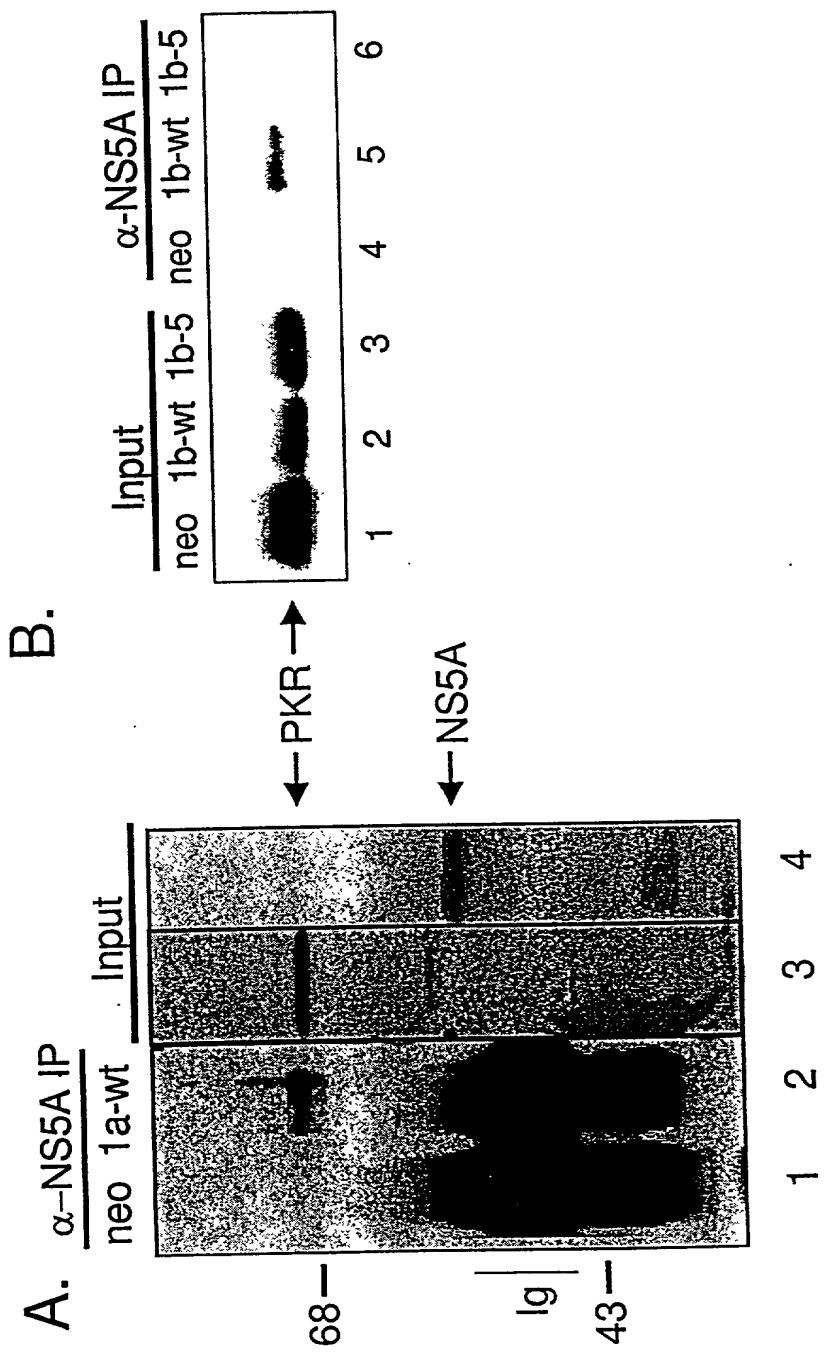


Fig. 14

FIG. 15

